



# ASC INDUSTRIES

A Division Of ASC INTERNATIONAL, INC.

1227 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

PHONE: (817) 640-1300  
FAX: (817) 649-2685

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

SALES ORDER NO.  
**325968-002**

SOLD TO: 935810-14  
AVIALL  
ACCOUNTS PAYABLE  
P O BOX 619048  
DALLAS, TX

SHIP TO:  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261

75261-9048

F.O.B./INCOTERMS: EXWORKS

TERMS: 1/2% 10, Net 30 Days Unless Otherwise Noted

VIA

YOUR ORDER NO 45309698

1/2% 10 DAYS NET 30

INVOICE DATE

Item Quantity Due Quantity Shipped

Part Number

U/M

\*\*\*\*\*  
001 4450 4450 MS21042L6

Description: NUT, STEEL, S/L, REDUCED HEXAGON

Mfr: MACLEAN-ESNA

Lot#: 47478-000 Rev: 1 NAS:14 (4450)

COO: U.S.A.

E

REVISION NOT SPECIFIED

MFR. CERTS REQUIRED

ALL CERTS IN SUPPLY CHAIN REQUIRED

PKG 50 PER

EACH CONTAINER WEIGHT SHALL NOT

EXCEED 50 LBS.

DO NOT SHIP IN OTHER

THAN PACKAGE QUANTITY.

ITEM MS21042L6=28



BATCH 7364137634



LRAMSEY

12/08/15

Gross / Net Wt

No Ctns

## \*CERTIFICATE OF CONFORMANCE\*

The material contained in this shipment was produced in accordance with applicable specification requirements and certification indicating conformance is on file subject to examination. ASC disclaims any responsibility for manufacturing or functional defects and hereby limits express or implied warranties to liability for the cost of replacing or refunding the value of this material. Buyer, in accepting delivery of this material, acknowledges awareness of such limitations of liability.

Please note that an ASC return material authorization number must be issued for all returns. Lot traceability is mandatory for all returns. Return of any merchandise will not be accepted after ninety days from date of shipment.

DATE: 12/02/15

PACKING LIST / CERTIFICATION

Signed

Quality Assurance Manager  
(GERALD NEWELL)

"This document is electronically signed"

INTENTIONALLY  
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TRACK #: S88953



CUST PO NO SO NO  
\*0045325693 518071  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854



CUST PO NO SO NO  
\*0045325693 518071  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854



CUST PO NO SO NO  
\*0045325693 518071  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854

SHIP TO

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

SHIP TO

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

SHIP TO

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

AVIALL SERVICES, INC.  
ATTN. AP DEPT.  
P.O. BOX 619048  
DALLAS TX 752619048

COMPLETE CUSTOMER PO NO.

\*0045325693

BUYER NAME & PHONE NO.

EDI

BILL TO NO.

SHIP TO NO.

PAGE

ASI007 1

**PACKING SLIP**  
**INSPECT IMMEDIATELY**

LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
1		1300	1300	68093/41016 MS27039-1-19	*004532569	ASI007	SCREW Bx28-30
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
2		1	1	S/C MANUFACTURE CERT	*004532569	ASI007	CERTIFICATION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
3		1	1	U.S.A. COUNTRY OF ORIGIN	*004532569	ASI007	
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION

ITEM MS27039-1-19=28



BATCH 7364143056



SPHOMVILAY  
12/14/15

CERTIFICATION OF CONFORMANCE

WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE WITH AN-MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE

DEC 02 2015

QUALITY CONTROL MANAGER

*Paul K. Johnson*

DATE SHIPPED

SHIPPED VIA

CV

SIGNATURE - MERCHANDISE RECEIVED

X

*Thank you for your order*

AVIALL

MAC FASTENERS, INC.  
1110 ENTERPRISE  
OTTAWA, KANSAS 66067

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: BILD INDUSTRIES

DATE: 07/23/08

PO NUMBER: 68093

PART NUMBER: MS27039-1-19

REVISION: 2

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225-7014, ALTERNATE 1 COMPLIANT

LOT NUMBER: 41016

MANUFACTURED QUANTITY: 90,000

MILL HEAT NUMBER: 8990085

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS, INC. within the United States, and were processed in conformance with all applicable drawings and specifications.

Objective evidence of compliance is on file, subject to examination upon request.



QUALITY ASSURANCE REPRESENTATIVE



# ASC INDUSTRIES

A Division Of ASC INTERNATIONAL, INC.

1227 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

PHONE: (817) 640-1300  
FAX: (817) 649-2685

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

SALES ORDER NO.  
**321686-001**

SOLD TO: 935810-14  
AVIALL  
ACCOUNTS PAYABLE  
P O BOX 619048  
DALLAS, TX

SHIP TO:  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261

75261-9048

F.O.B./INCOTERMS: ARLINGTON

YOUR ORDER NO 45215775

TERMS: 1/2% 10, Net 30 Days Unless Otherwise Noted

VIA

INVOICE DATE

1/2% 10 DAYS NET 30

Item	Quantity Due	Quantity Shipped	Part Number	U/M
*****				
001	350	350	MS21209F7-10	C
Description: INSERT, CRES, SCREW THREAD, FINE				
HELICAL WIRE Lot#: W117615 Rev: 3 (350) COO: U.S.A.				
REVISION NOT SPECIFIED				
MFR. CERTS REQUIRED				
ALL CERTS IN SUPPLY CHAIN REQUIRED				
PKG 50 PER				
EACH CONTAINER WEIGHT SHALL NOT				
EXCEED 50 LBS.				
DO NOT SHIP IN OTHER				
THAN PACKAGE QUANTITY.				

Gross / Net Wt:

No Ctns

## \*CERTIFICATE OF CONFORMANCE\*

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Signed

*Gerald Newell*  
Quality Assurance Manager

(GERALD NEWELL)

"This document is electronically signed"

DATE: 04/27/15

PACKING LIST / CERTIFICATION

ITEM MS21209F7-10=28



BATCH 7363971483



AHENRY

04/30/15

INTENTIONALLY  
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TRACK #: S81378

AVIALL - TRUE CERTIFIED COPY - 01/06/2016 - Ship # - 8002628892 - Line - 90 - 7363971483 - Qty - 100 - CPO - PO30877



# ASC INDUSTRIES

A Division Of ASC INTERNATIONAL, INC.

1227 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

PHONE: (817) 640-1300  
FAX: (817) 649-2685

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TEXAS 76006

SALES ORDER NO.  
**321686-001**

SOLD TO: 935810-14  
AVIAL  
ACCOUNTS PAYABLE  
P O BOX 619048  
DALLAS, TX

SHIP TO:  
AVIAL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT, TX 75261

75261-9048

F.O.B./INCOTERMS: ARLINGTON

YOUR ORDER NO 45215775

TERMS: 1/2% 10, Net 30 Days Unless Otherwise Noted

VIA

INVOICE DATE

1/2% 10 DAYS NET 30

Item	Quantity Due	Quantity Shipped	Part Number	U/M
*****				
001	350	350	MS21209F7-10	C
Description	INSERT, CRES, SCREW THREAD, FINE			
HELICAL WIRE	Lot#: W117615 Rev: 3 (350) COO: U.S.A.			
REVISION NOT SPECIFIED				
MFR. CERTS REQUIRED				
ALL CERTS IN SUPPLY CHAIN REQUIRED				
PKG 50 PER				
EACH CONTAINER WEIGHT SHALL NOT				
EXCEED 50 LBS.				
DO NOT SHIP IN OTHER				
THAN PACKAGE QUANTITY.				

Gross / Net Wt

No Ctns

## \*CERTIFICATE OF CONFORMANCE\*

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Signed

*Gerald Newell*  
Quality Assurance Manager

(GERALD NEWELL)

"This document is electronically signed"

DATE: 04/27/15

PACKING LIST / CERTIFICATION

TRACK #: S81378

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# HELICAL WIRE, INC.

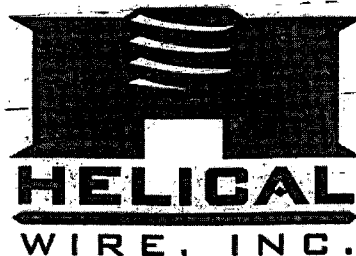
26 CASH DRIVE  
CARSON CITY, NEVADA 89706

CAGE CODE: 0EE83

PHONE: 775-246-5333

FAX: 775-246-5388

EMAIL: info@helicalwire.com



## Packing List

DATE	INVOICE #
3/27/2015	P162725

### BILL TO

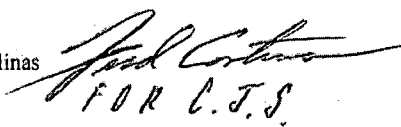
ASC INDUSTRIES  
1227 CORPORATE DRIVE WEST  
ARLINGTON, TX 76006  
DO NOT INSURE

### SHIP TO

ASC INDUSTRIES  
1225 CORPORATE DRIVE WEST  
ARLINGTON, TX 76006



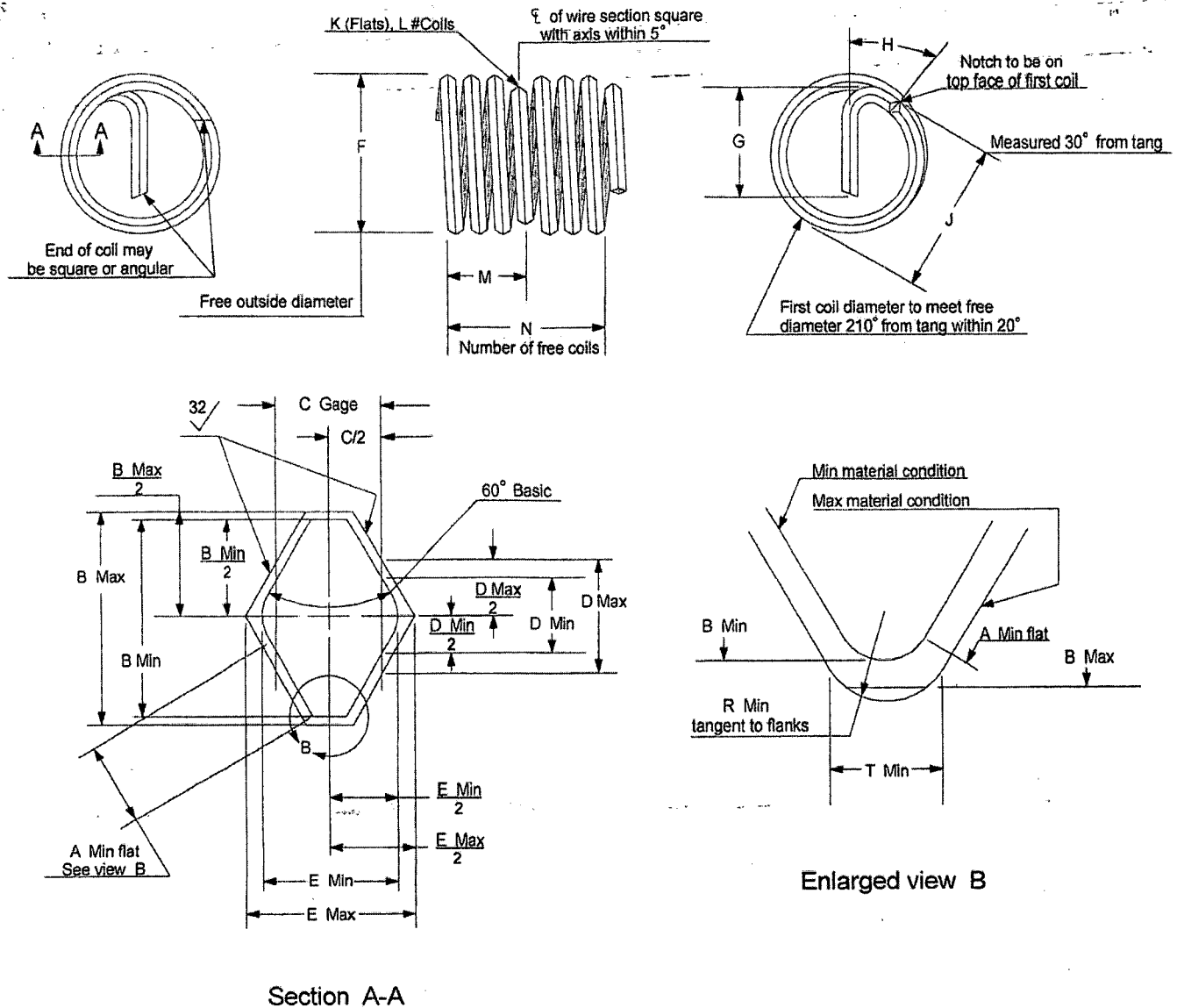
P.O. NUMBER	TERMS	SHIP DATE	SHIP VIA	UPS	FEDEX	FOB	E-MAIL	INV
197817	Net 30	3/30/2015	UPS Gro...	750097		OP	nanderson@a...	Y

ITEM	ORDER	SHIP	B/O	DESCRIPTION
MS21209F7-10	2500	2,500		.4375-20x.438 Locking Insert P/N 71620L0438 LOT W117615 / F5R8 / 10-4-13 C/R 3591-7CN0438  UPS COLLECT: 1Z 23F 50F 03 6560 8096  CONFORMANCE CERTIFICATION - CAGE 0EE83 CERTIFIED UNDER THE QUALITY SYSTEM - AS9100 Rev C & ISO 9001:2008 We hereby certify the material and parts shipped on your Purchase Order listed above and our Packing List Number listed above, have been manufactured in the United States and is in conformance with one or more of the following specifications: AS7245 Rev. A, NASM33537 Rev. 1, NASM8846 Rev. 1, NASM21209 REV. 3, MS21208, NASM122076 thru NASM122275 REV. 2, NASM124651 thru NASM124850 REV. 2, BAC112AE- REV. G, AS3080, AS3081, AS3082, AS3083, AS3094, AS3095, AS3096, AS3097, N913P, N913AP, N926P, N926AP, N926BP, N926CP, MA1565 Rev. A, MA3279 Rev. B, MA3280 Rev. B, MA3281 Rev B, MA3329 Rev. C, MA3330 Rev. C, MA3331 Rev. C, AS7246, AMS7247, Armco Nitronic 60 UNS S21800, AMS 5848B, S-313-100, T.O. 44H1-1-117. Material certification to GSFC Spec 541-PG-8072.1.2. Material certifications reflect the heat treat lot and material composition of each shipment of wire used to manufacture the screw thread inserts, and are available upon request. All material is mercury free and pass RoHS compliance - Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. All material comply with the requirements of the European Union (REACH) legislation. Plating per Xylan Formula 5230/1131 Gray Black, 5251/840 Black, AS5272, AMS-QQ-P-416C Type II or QQ-S-365, ASTM B 700. Tooling per AS59158. Product Manufactured by a small business in the United States of America. Specialty metal used in the manufacture of this product is DFAR compliant per DFAR 252.225-7014 (ALT.1) & Deviation 2008-00002 DFARS 225.7002.. This manufacturer of the fastener is not currently listed as a debarred, suspended, or ineligible contractor on the current list of parties published by the U.S. Government, GSA.  Quality Assurance Manager - Christopher J. Salinas  FOR C.J.S.  SK

PAST DUE INVOICES WILL BE CHARGED FINANCE CHARGES AT THE RATE OF 1.5% PER MONTH ON THE UNPAID BALANCE. All claims for error, shortage, or damage must be made within 7 days after receipt. No returns on non-traceable or non-defective products.

**AS9100**  
QUALITY  
MANAGEMENT  
SYSTEM





A	B		C	D		E		F		G		H°		J		K	L	M	N	R	T
Min	Min	Max	Gage	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max			±1	±1/4	Min	Min
.0164	.0500	.0540	.02500	.03198	.03248	.0378	.0438	.524	.549	.287	.416	15	75	.524	.549	6	2	3.3125	6.625	.0090	.0156

Tapped Hole Data										Installed Insert Data	
Suggested Drill Size		Minimum Drill Depth		Nominal Tap Size	Pitch Diameter 3B		Tap Major Diameter Max	Minor Diameter After Tapping		Locking Torque In-Lb	
Alum.	Steel	Plug Tap	Bottom Tap	7/16-20 3B	Min	Max	.5062	Min	Max	Min	Max
29/64	29/64	.738	.638		.4700	.4731		.4483	.4561	14	100

- 1) Nominal length:  
Nominal length equals minimum through hole length without countersink and with insert located 1/4 to 1/2 pitch below top surface.
- 2) Free coils:  
The number of free coils is counted 90 degrees from the tang.
- 3) Surface roughness:  
ANSI B46.1-1962
- 4) Reference specifications:  
NASM21209  
NASM8846  
AS7245
- 5) Material: 304 Stainless Steel

FOR REFERENCE ONLY

**AS9100**  
QUALITY  
MANAGEMENT  
SYSTEM

HELICAL WIRE, INC.  
26 CASH DRIVE  
CARSON CITY, NV 89706  
775-246-5333  
CAGE CODE: 0EE83



DRAWN BY: D. RAINWATER  
CHECKED BY: C. SALINAS  
DATE: 2/3/12

INSERT, SCREW THREAD, LOCKING  
NASM P/N: MS21209F7-10  
C/R: 3591-7CN-0438

PART NUMBER  
71620L0438

REV  
NEW

09/29/15

## CUSTOMS INVOICE/PACKING SHEET

SHIPPER: KAPCO  
1 ESSEX INDUSTRIAL PARK  
ESSEX, CT 06426

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4446065-00	10/19/15
PROMISED	REQUEST	SHIPPED
10/01/15	10/01/15	
CUSTOMER P.O.		

ITEM M83461-1-010=15



BATCH 7364088747



AWASHINGTON  
10/02/15

AVIALL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.

DFW AIRPORT, TX 75261 US

uting FED EX GRD

FORWARD TO:

VAT#

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0045285659	10	M83461/1-010		2280.00	EA				2280.00	0.00	2280.00
		Desc: PACKING PCAT: S Superseded Prod: M83461-1-010 HS# 4016.93.0000	408769	2280.00		Cure: 1Q2015		US			
		MFR- Name: PARCO INC. Revision: NC MFR- Batch: 49228 KAPCO GLOBAL CERTIFIES THAT WE ARE ACCREDITED TO FAA AC-0056A FOR SHIPMENTS MADE FROM U.S. SITES. THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN ESTABLISHED INDUSTRY. U.S. GOVERNMENT, OR COMMERCIAL STANDARD. S/L: 15 YRS PER ARP5316 INSP BY: Mark A. Avery 09/29/2015									

TOTAL BOX VALUE:

PAGE

1

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended. No claims allowed unless made within ten (10) days after receipts of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.D

UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.



Terms of Sale - Incoterms-2010; EXW: Essex, CT

## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED, AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER. EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY

Thank You For This Order  
PACKING LIST

AVIALL - TRUE CERTIFIED COPY 101/06/2016 | Ship #: 8002629892 | Line: 40 | 7364088747 | Qty: 6 | CPO: PO30877





# PACKING SLIP

## Aero-Glen International, LLC

1160 Mustang Dr Ste 300

DFW Airport TX 75261

Tel: 817-328-6600

Fax: (972) 456-1015

aeroglen@aeroglen.com

CAGE CODE 9V172

REGISTERED

AS9100/AS9120-A/ISO9001

PR# 14-2127, 14-2128R

Print Date : Nov-05-2015 3:57 PM

Printed By : JFLE Print No. : 2

No. 078725

Pg:1/1

Ship To : [1]		For : Account No. [AVIALL-DALLA]	
AVIALL CENTRAL WAREHOUSE Attn: RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994		AVIALL Attn: SEDRICK CLARK 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994	
S.O. No. : 056592	Our Ref :	Domestic AW :	
Cust P.O. : 0045327303	Your Ref :	Int'l AWB :	
Picked On : Nov-04-2015	Spec Inst :	Origin :	
Shipped On : Nov-02-2015	Contract :	Transpor :	
Ship Via : DROP OFF	Lic No. :	Nationall :	
F.O.B. : DESTINATION	Expires :	Trip/Flig :	
Terms : NET 30			
Our Contact : MERLE LANGTON			

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
1	MS21047-3 UID364748 Rev: 3 Note: NUTPLATE: SELF-LKG,ST PG:25 PER LOT #: 57001 REV: 3 MFG: PAOLO ASTORI CAGE CODE: A3856 MATL TYPE: CARBON STEEL Country Of Origin:ITALY	DF1	425.00	425.00 EA	0.00	
<div>ITEM MS21047-3=28</div> <div>BATCH 7364116082</div> <div>MDO 11/09/15</div>						
UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.						

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249  
 13402 BEACH AVE., MARINA DEL REY, CA. 90292  
 TEL (310) 821-5582 \* FAX (310) 821-0378 \* (310) 821-5616  
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. 77003A  
 SOLD TO: AERO-GLEN INTERNATIONAL LLC  
 P O BOX 878  
 GRAPEVINE, TX 76099-0878  
 USA

SHIP TO:  
 AERO-GLEN INTERNATIONAL, LLC  
 1160 MUSTANG DRIVE STE 300  
 DFW INTERNATIONAL AIRPORT, TX 75261  
 USA

**AFI**  
**Aircraft Fasteners**  
**INTERNATIONAL, LLC**  
 www.aircraftfast.com

SALES ORDER NO.		CUSTOMER P.O. NO.	BUYER	SALESPERSON	TERMS
973718		029759	MICHELLE FLORES	ERIN	1%10 NET45
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS			
03-02-15		UPS Ground - Collect Acct #: 756163			
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO	SHIPPED	NOTES	
1	5,000	10AD25A302N21 PAOLO ASTORI MADE IN ITALY Cust Part #: MS21047-3 5,000 PCS CTL# 84075-02-006 MFG LOT # 57001 Country of Origin: ITALY MFG: PAOLO ASTORI SPA Inspection Report #: 11621	5,000		
		PC - PHYSICAL /CHEMICAL CERTIFICATION			

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.  
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.  
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -  
 DO NOT MIX LOTS

PAGE: 1 of 2

Continued...

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249  
 13402 BEACH AVE., MARINA DEL REY, CA. 90292  
 TEL (310) 821-5582 \* FAX (310) 821-0378 \* (310) 821-5616  
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. 77003A  
 SOLD TO: AERO-GLEN INTERNATIONAL LLC  
 P O BOX 878  
 GRAPEVINE, TX 76099-0878  
 USA

SHIP TO:  
 AERO-GLEN INTERNATIONAL, LLC  
 1160 MUSTANG DRIVE STE 300  
 DFW INTERNATIONAL AIRPORT, TX 75261  
 USA

**AFI**  
**Aircraft Fasteners**  
 INTERNATIONAL, LLC  
 w . a i r c r a f t f a s t . c o m

SALES ORDER NO.		CUSTOMER P.O. NO.		BUYER	SALESPERSON	TERMS
973718		029759		MICHELLE FLORES	ERIN	1%10 NET45
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS				
03-02-15		UPS Ground - Collect Acct #: 756163				
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO.	SHIPPED	NOTES		
				<b>CERTIFICATE OF CONFORMANCE</b> All inventory is purchased and maintained with manufacturer's lot number traceability, unless otherwise specified, with documentary evidence in the form of certification of conformance and/or physical and chemical test reports on file, available for inspection, attesting that items have been manufactured in accordance with all applicable standards and specifications. Parts are free of debris, packaged in a clean environment that prevents contamination. AIRCRAFT FASTENERS INTERNATIONAL, LLC. disclaims any responsibility for manufacturing or functional defects and hereby limits express or implied warranties to liability for replacement of this material, with responsibility not to exceed the invoice amount. When exporting this product you must comply with US Export Administration regulations. Any diversion to these regulations contrary to U.S law is prohibited.		
				 QUALITY MANAGER		

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.  
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.  
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -  
 DO NOT MIX LOTS

PAGE: 2 of 2

PACKING SLIP / CERTIFICATION

11/24/15

## CUSTOMS INVOICE/PACKING SHEET



ITEM M83461-1-011=15



BATCH 7364133544

AWASHINGTON  
12/02/15SHIPPER: KAPCO GLOBAL  
1 INDUSTRIAL PARK RD.  
CENTERBROOK, CT 06409AVIALL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.DFW AIRPORT, TX 75261 US  
Using FED EX GROUND

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4545744-00	12/14/15
PROMISED	REQUEST	SHIPPED
11/30/15	11/30/15	
CUSTOMER P.O.		

FORWARD TO:

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0045327956	10	M83461/1-011		804.00	EA				804.00	0.00	804.00
		Desc: PACKING PCAT: S Superseded Prod: M83461-1-011 Customer Prod: M83461-1-011=15 HS# 4016.93.0000	424300	804.00		Cure: 2Q2015		US			
		MFR- Name: PARCO INC. Revision: NC MFR- Batch: 51030 KAPCO GLOBAL CERTIFIES THAT WE ARE ACCREDITED TO FAA AC-0056A FOR SHIPMENTS MADE FROM U.S. SITES. THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR COMMERCIAL STANDARD. S/L: 15 YRS PER ARP5316 INSP BY: L. CHALKER 11/24/2015									

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended.  
No claims allowed unless made within ten (10) days after receipts of Goods and in no case shall the liability  
assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the  
merchandise in question.

TOTAL BOX VALUE:

PAGE 1

These commodities, technology or software were exported from the United States in accordance  
with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.2  
UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.



Terms of Sale - Incoterms-2010; EXW: Essex, CT

## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED,  
AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER.  
EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY

Thank You For This Order  
PACKING LIST

AVIALL - TRUE CERTIFIED COPY | 01/06/2016 | Ship #: 8002629892 | Line: 20 | 7364133544 | Qty: 6 | CPO: PO30877

# Parco

PARCO, INC.  
1801 S. Archibald Ave.  
Ontario, California 91761  
(909) 947-2200 Fax (909) 923-0288

PACKING LIST 40787

Ship  
To

KAPCO-GLOBAL CT  
1 INDUSTRIAL PARK ROAD  
CENTERBROOK CT 06409

Bill  
To

KAPCO  
3120 EAST ENTERPRISE STREET  
BREA CA 92821

Purchase Order 431185-00  
Buyer COREY  
Specification AMS P 83461  
Certification Type AI  
Sales Order 25641  
Date Entered 05/13/15  
Account 9231-03  
Date Shipped 06/08/15  
Shipped Via UPS GRD COL/3RD PTY  
Bill of Lading 1Z9299310354652473  
No. of Cartons 1  
Gross Weight (lbs.) 11

Line	Customer Part	Rev.	Part	Compound	Quantity Remaining	This Shipment		
						Quantity	Batch	Date Cured
01	M83461/1-011	NC	0568-011	4367-70	20,000	22,000	51030	2Q 15
	O-RING (DIV 14)				NET WEIGHT	4.53	LBS.	
	75-DUROMETER							

**RECEIVED**

JUN 15 2015

STK ICN 424300

Remarks:

SHIPPING: CURE DATE MAY NOT BE MORE THAN  
9 QUARTERS OLD.  
SHIPPING: UPS COLLECT ACCT# 979-375  
QC CLERK: COUNTRY OF ORIGIN AND  
SHELF LIFE IS REQUIRED ON CERT  
  
SHIPPING: DO NOT SHIP EARLY.  
SHIPPING: DO NOT SHIP PARTIALS

MATERIAL CERTIFICATION

See Separate Certification

Packed By

YC

Shipped By

MT

Approved By

MT

Form 2448 Rev. 3/10



ICN: 424300, Doc Date: 6/17/2015 CERTIFIED TRUE COPY

**ETA Global Inc.**P.O. BOX 259  
PALESTINE, TX 75802-0259PH: (903)729-3131  
Quality FAX: (903)729-1217  
www.etaglobal.com**Packing Slip**

336962-000

Page 1 of 1

Ship Date:

ISO9001:2008  
AS9100 Rev C  
Certificate NO. C0023281

Sold to: 8418

Ship to:

AVIALL SERVICES (CONTRACT)  
ATTN: ACCOUNTS PAYABLE  
PO BOX 619048  
DALLAS, TX 75261  
UNITED STATESAVIALL SERVICES (CONTRACT)  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261  
UNITED STATES

Customer P.O.				Department		Message					
45243679				500		FEDEX 0752-6857-2					
Payment terms				Salesper 2		B. P.		Ship via		Freight terms	
1%10NET30				#####		Y Y		Fed X grnd		COLLECT	
Ln	Ship	Quantity	UOM	Item / Description							

0010 165800 EACH NAS1149F0332P  
WASHER, FLAT  
CARBON STEELControl #: 47414101-03-01 165800  
Mfg Lot #: 32774-1  
MFG: JTD STAMPING COMPANY INC  
Country of origin: UNITED STATES

ITEM NAS1149F0332P=28



BATCH 7364037238

LRAMSEY  
07/27/15

ETA Global, Inc. certifies the products furnished on the above referenced order were manufactured in accordance with all applicable part numbers, specifications and descriptions. This statement is supported by a certificate of conformance and/or test reports on file at our facility or the place of manufacture/supply. In addition, the product listed on this packing list meets all requirements of DFARS 252.225-7009 - Restriction on Acquisition of Certain Articles Containing Specialty Metals (formerly DFARS 252.225-7014 & Alt. I (Preference for Domestic Specialty Metal). Supporting documentation is available for review with proper notice (additional costs may be incurred).

Quality Control Authority  
ETA  
#16*Angela Coleman* Date: 7/14/15

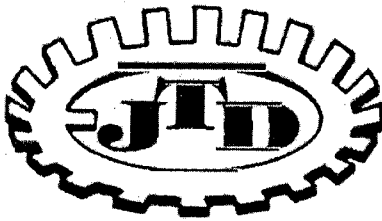
IMPORTANT NOTICE: LIMITATION OF REMEDIES: IF this product is proved to be defective, the exclusive remedy available and ETA's only obligation shall be to replace such quantity of this product which is proved to be defective or to refund the purchase price paid for this product. ALL CLAIMS FOR DEFECTIVE MATERIAL ARE WAIVED UNLESS MADE IN WRITING WITHIN 30 DAYS FROM THE DATE OF SHIPMENT.  
LIMITATION OF LIABILITIES: ETA shall not be liable for any damages, including incidental and/or consequential damages, regardless of the legal theory asserted, including negligence and/or strict liability.  
Before using, User shall determine the suitability of the product for intended use. User assumes all risk and liability whatsoever in connection therewith. CHECK CAREFULLY - Reference must be made to our delivery receipt register number when making claims or request for adjustment. ALL RETURNS SUBJECT TO APPROVAL OF SELLER TO RETURN.

The foregoing limitation of remedies and liabilities may not be altered unless in writing signed by the President of ETA GLOBAL, INC.

Distribution/Manufacturing software provided by Rennie, Lindsey and Associates, Inc.

07-14-15 02:49 PM

Mention promo code 004189 at www.rla-assist.com/promo.html



**J.T.D. STAMPING CO., INC.**

*Manufacturers of Washers and Gaskets*

403 Wyandanch Avenue  
North Babylon, N.Y. 11704

## packing list

Phone 631-643-4144  
1-800-927-7907  
Fax 631-643-4016  
www.jtdstamping.com

Bill To

ETA GLOBAL INC.  
P.O. DRAWER 239  
PALESTINE, TX 75802-0259  
USA

**INVOICE NO. 67070**

Page 1 of 1

Ship To

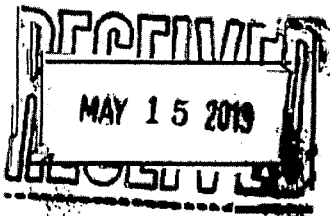
ETA GLOBAL INC.  
5300 W. OAK STREET  
PALESTINE, TX 75801  
USA

Invoice Date	05/09/2013
Due Date	06/08/2013
Your Order	474141
FOB	NO.BABYLON
Ship Via	CONWAY COLLECT
Terms	1/2% 10 NET 30
Our Order	32774
Packer Slip No.	67070
Containers & Weight	37 Containers (29,730 per container) (34 LBS per container)

Item	Order Qty	Ship Qty	Part ID/Description
1	2,200,000	1,100,000.00	NAS1149F0332P REV 2 Rev 4 FW 0.4380x0.2030x0.0320(ST) P/N:NAS1149F0332P REV 4 OD: 0.4380 + 0.0200 / - 0.0050 ID: 0.2030 + 0.0100 / - 0.0100 THK: 0.0320 + 0.0030 / - 0.0030 STEEL FLAT Finish: CAD YELLOW MSN 5310-00-167-0834 Job 32774-1 1.00 PACKING PACKING



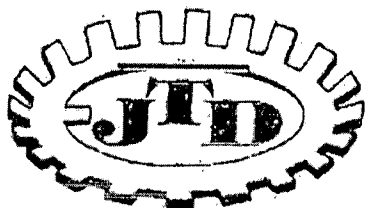
1910257299  
ETA CTL#:47414101-03-01



REGISTRATION NO. 10002090

SEE REVERSE SIDE CONDITIONS OF SALE

ALL CLAIMS MUST BE MADE WITHIN FIVE DAYS AFTER RECEIPT OF GOODS



**J.T.D. Stamping Co., Inc.**

*Manufacturers of Washers and Gaskets*

403 Wyandanch Avenue  
North Babylon, NY 11704

**CERTIFICATE OF QUALITY COMPLIANCE**

1. ShipDate	5/9/2013
2. PO	474141
3. Qty	1,100,000
4. PartID	NAS1149F0332P REV 2
5. PartDesc	FW 0.4380x0.2030x0.0320(ST)
6. MaterialType	STEEL 1020 HEAT# 133549 PO# 34497
7. HeatTreat	(None)
8. Finish	CAD YELLOW AMS-QQ-P-416 TY 2, CL 2 PO# 34897
9. Lot	32774-1
10. Other	



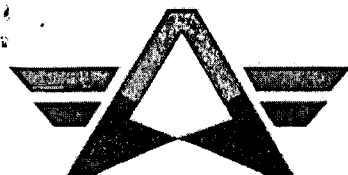
1910257299  
ETA CTL# 47414101-03-01

WE HEREBY CERTIFY THAT THE MATERIAL AND / OR WORK PERFORMED BY US IS IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS, DRAWING AND / OR OTHER PURCHASE ORDER REQUIREMENTS. TEST AND / OR INSPECTION REPORTS INDICATING CONFORMANCE ARE ON FILE WITH US OR OUR SUPPLIER FOR YOUR EXAMINATION.

Authorized Signature

ALDO D'ADAMO QC MANAGER





# PACKING SLIP

## Aero-Glen International, LLC

1160 Mustang Dr Ste 300

DFW Airport TX 75261

Tel: 817-328-6600

Fax: (972) 456-1015

aeroglen@aeroglen.com

CAGE CODE 9V172

REGISTERED

AS9100 / AS9120-A / ISO9001

PR# 14-2127, 14-2128R

Print Date : Nov-02-2015 11:21 AM

Printed By : JFLE Print No. : 2

No. 077867

Pg:1/1

<b>Ship To : [1]</b>		<b>For : Account No. [AVIALL-DALLA]</b>	
AVIALL CENTRAL WAREHOUSE Attn: RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994		AVIALL Attn: SEDRICK CLARK 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994	
S.O. No. : 056030	Our Ref :	Domestic AW :	
Cust P.O. : 0045318262	Your Ref :	Int'l AWB :	
Picked On : Oct-16-2015	Spec Inst :	Origin :	
Shipped On : Nov-02-2015	Contract :	Transpor :	
Ship Via : DROP OFF	Lic No. :	Nationali :	
F.O.B. : DESTINATION	Expires :	Trip/Flig :	
Terms : NET 30			
Our Contact : MERLE LANGTON			

Line	P/N & Description	Cn	Ordered	Qty-Shipped	Back Order	Packaging
1	NAS1149D0563J  UID:138795  Rev: 4 Note: WASHER: FLT,AL PG:100 PER LOT #: 7101 REV: 4 MFG: MOELLER	ND1	9,100.00	9,100.00 EA	0.00	
UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.						

ITEM NAS1149D0563J = 28



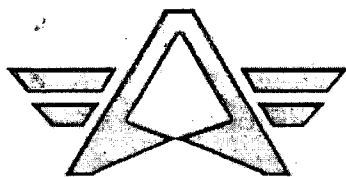
BATCH 7364113276



BHORTON  
11/04/15

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OTOMER COPY



# Aero-Glen International, LLC

1160 Mustang Dr Ste 300  
DFW Airport TX 75261  
Tel: 817-328-6600 Fax: (972) 456-1015  
aeroglen@aeroglen.com  
CAGE CODE 9V172

REGISTERED  
AS9100/AS9120-A/ISO9001  
PR# 14-2127, 14-2128R

## Certificate of Conformance

Print Date : Nov-02-2015 11:22 AM

Printed By : JFLE Print No. : 3

**No. : 077867**

Pg:1/1

**Sold To : Account No. [AVIALL-DALLA]**

**Shipped To :**

AVIALL  
Attn: Email invoice to apinvoiced@aviall.com, ACCOUNTS PAYABLE  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1426

AVIALL CENTRAL WAREHOUSE  
RECEIVING DEPT.  
2750 REGENT BOULEVARD  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

S.O. No. : 056030	Our Ref :	Domestic AW :
Customer P. : 0045318262	Your Ref :	Int'l AWB:
Issued Date : Oct-16-2015	Spec Inst :	Origin :
	Contract :	Transpor:
Ship Via : DROP OFF	License No. :	Nationali:
F.O.B. : DESTINATION	Expires :	Trip/Flig :
Shipped Dat : Nov-02-201	Terms : NET 30	
Our Contact : MERLE LANGTON		

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	NAS1149D0563J Pick Ticket / Packing Slip No. : 077867 Rev: 4 Note: WASHER: FLT,AL PG:100 PER LOT #: 7101 REV: 4 MFG: MOELLER	ND1	9,100.00EA	9,100.00 (Qty. Back 0.00)		

THIS IS TO CERTIFY THAT THE MATERIAL(S) FORWARDED TO YOU MEET ALL THE PO, DRAWING, CHEMICAL AND PHYSICAL REQUIREMENTS AND FREE OF ANY FOREIGN OBJECT DEBRIS. AERO-GLEN, INTL. DISCLAIMS ANY RESPONSIBILITY FOR ALL MANUFACTURING OR ANY FUNCTIONAL DEFECTS AND HEREBY LIMITS EXPRESSED OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING THE MATERIAL OR REFUNDING THE INVOICE VALUE OF MATERIAL, SO ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATION OF LIABILITY. PRODUCTS HAVE NOT BEEN INTRODUCED TO MERCURY CONTAMINATION WHILE AT OUR FACILITY. THE COMMODITIES SOLD BY AERO-GLEN, INTL MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. ANY OR ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. SHALL BE DFARS 252.225-7014 ALTERNATE 1 COMPLIANT AS NOTED ON A LINE ITEM BASIS.

TYSON KAL  
Copyright (c) AEROGLEN 2000 Software, Inc.  
01/06/2016

ORIGINAL (COPY.)

**MOELLER MFG. & SUPPLY, INC.**

805 EAST CERRITOS • ANAHEIM, CA 92805

(714) 999-5551 • FAX (714) 999-5970

<http://www.moellermfg.com>

cage code: 58009

SHIPPER NO.: 32896

**CERTIFICATION****PACKING LIST**

SOLD TO  
AERO-GLEN INTERNATIONAL, LLC  
1702 MINTERS CHAPEL RD  
SUITE 116  
GRAPEVINE TX 76051  
Customer #: AERO-GLEN

SHIP TO  
AERO-GLEN INTERNATIONAL, LLC  
1702 MINTERS CHAPEL RD  
SUITE 116  
GRAPEVINE TX 76051  
P.O. #: 023703

DATE ORDER REC'D.	ORDER NO.	COMMENTS	SHIPPED VIA	TERMS	DUE
9/18/2012	023703		CALL P/U	1%-10/N-30	9/19/2012
ITEM	ORDERED	SCHEDULED	SHIPPED	PART NUMBER/DESCRIPTION	NET WT.
12	250,000	250,000	250,000 DS	NAS1149D0563J {S} REV. 4 375 BOX4 AN960JD516 501 REV. 21 730 LOT 7101- 5/21/12 748 FULL CERTS 758 770 97 6 BOXES 37,000 EA	39.2 EA
14	10,000	10,000	10,000 DS	NAS1149D0716H {S} REV. 4 680-A AN960D716L REV. 21 LOT 7649- 1/13/12 FULL CERTS	29.7 EA 1 BAG 10,000 EA 4.65 EA

MANUFACTURED IN THE U.S.A.

MOELLER MFG. &amp; SUPPLY, INC. - PACKING LIST &amp; CERTIFICATION

WE CERTIFY THAT THE MATERIAL ON THIS ORDER CONFORMS IN ALL RESPECTS TO THE CURRENT APPLICABLE GOVERNMENT AND/OR MANUFACTURER'S SPECIFICATIONS.

- ALL ITEMS ABOVE ARE MANUFACTURED IN ACCORDANCE WITH THE MATERIAL AND PROCESSING SPECIFICATIONS OF THIS ORDER. WE ALSO CERTIFY THAT THESE PARTS HAVE NOT COME IN CONTACT WITH MERCURY WHILE IN OUR POSSESSION.
- THE GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR STANDARD ACTS OF 1938, AS AMENDED. ALL CLAIMS FOR ERRORS OR SHORTAGES MUST BE MADE WITHIN 10 DAYS AFTER RECEIPT OF GOODS. NO GOODS TO BE RETURNED WITHOUT WRITTEN AUTHORIZATION. ALL CLAIMS FOR DEFECTIVE MATERIAL MUST BE FILED WITHIN 30 DAYS OF SHIPMENT TO RECEIVE CONSIDERATION. WE DO NOT ASSUME FINANCIAL RESPONSIBILITY FOR LIABILITY FROM THE USE OF PRODUCTS SOLD, OTHER THAN REPLACEMENT VALUE OF THE PRODUCTS SOLD, IF CLAIMED WITHIN THE SPECIFIED TIME LIMIT ABOVE.
- PARTS ARE TO BE CONSIDERED ITAR EXEMPT OR DUAL PURPOSE UNLESS OTHERWISE STATED.

BY

BARRY LUKE, Q.A. MANAGER

RECEIVED IN GOOD CONDITION BY	DATE	PACKED BY	BAGS	CARTONS	GROSS WT.
	9/24/12	DS		7	27



# PACKING SLIP

## Aero-Glen International, LLC

1160 Mustang Dr Ste 300

DFW Airport TX 75261

Tel: 817-328-6600

Fax: (972) 456-1015

aeroglen@aeroglen.com

CAGE CODE 9V172

REGISTERED

AS9100/AS9120-A/ISO9001

PR# 14-2127, 14-2128R

Print Date : Nov-06-2015 6:40 AM

Printed By: GMOO Print No. : 2

No. 078748

Pg:1/2

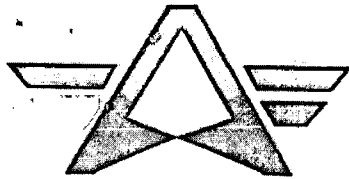
<b>Ship To : [1]</b>		<b>For : Account No. [AVIALL-DALLA]</b>	
AVIALL CENTRAL WAREHOUSE Attn: RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994		AVIALL Attn: SEDRICK CLARK 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994	
S.O. No. : 056545	Our Ref :	Domestic AW :	
Cust P.O. : 0045327284	Your Ref :	Int'l AWB :	
Picked On : Nov-04-2015	Spec Inst :	Origin :	
Shipped On : Nov-02-2015	Contract :	Transpor :	
Ship Via : DROP OFF	Lic No. :	Nationali :	
F.O.B. : DESTINATION	Expires :	Trip/Flig :	
Terms : NET 30			
Our Contact : MERLE LANGTON			

Line	P/N & Description	Cn	Ordered	Qty Shipped	Back Order	Packaging
1-	MS21059L4  UID370142  Rev: 2 Note: NUTPLATE: SELF-LKG,ST PG:50 PER LOT #: 57882 REV: 2 MFG: PAOLO ASTORI SPA CAGE CODE: A3856 MATL TYPE: SAE1042 Country Of Origin:ITALY	DF1	1,250.00	300.00 EA	950.00	
1	MS21059L4  UID366991  Rev: 2 Note: NUTPLATE: SELF-LKG,ST PG:50 PER LOT #: 57882 REV: 2 MFG: PAOLO ASTORI CAGE CODE: A3856 MATL TYPE: 1040/1035 Country Of Origin:ITALY	DF1		950.00 EA	0.00	

ITEM MS21059L4= 28

BATCH 7364121201

**BHORTON**  
11/13/15



# Aero-Glen International, LLC

1160 Mustang Dr Ste 300  
DFW Airport TX 75261

Tel: 817-328-6600

Fax: (972) 456-1015

aeroglen@aeroglen.com

CAGE CODE 9V172

REGISTERED

AS9100/AS9120-A/ISO9001

PR# 14-2127, 14-2128R

## Certificate of Conformance

Print Date : Nov-06-2015 6:40 AM

Printed By : GMOO Print No. : 3

<b>No. : 078748</b>		<b>Pg:1/2</b>
<b>Sold To : Account No. [AVIALL-DALLA]</b>		<b>Shipped To :</b>
AVIALL Attn: Email invoice to apinvoices@aviall.com, ACCOUNTS PAYABLE 2700 Regent Blvd DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1426		AVIALL CENTRAL WAREHOUSE INTE RECEIVING DEPT. 2750 REGENT BOULEVARD DFW Airport, TX 75261 UNITED STATES Tel. : 972-586-1994
<b>S.O. No. : 056545</b>	<b>Our Ref :</b>	<b>Domestic AW :</b>
<b>Customer P. : 0045327284</b>	<b>Your Ref :</b>	<b>Int'l AWB:</b>
<b>Issued Date : Nov-04-2015</b>	<b>Spec Inst :</b>	<b>Origin :</b>
	<b>Contract :</b>	<b>Transpor:</b>
<b>Ship Via : DROP OFF</b>	<b>License No. :</b>	<b>Nationali:</b>
<b>F.O.B. : DESTINATION</b>	<b>Expires :</b>	<b>Trip/Flig :</b>
<b>Shipped Dat : Nov-02-201</b>	<b>Terms : NET 30</b>	
<b>Our Contact : MERLE LANGTON</b>		

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	MS21059L4 Country Of OriginTALY Pick Ticket / Packing Slip No. : 078748 Rev: 2 Note: NUTPLATE: SELF-LKG,ST PG:50 PER LOT #: 57882 REV: 2 MFG: PAOLO ASTORI SPA CAGE CODE: A3856 MATL TYPE: SAE1042	DF1	1,250.00EA	300.00		(Qty. Back 950.00)
1	MS21059L4 Country Of OriginTALY Pick Ticket / Packing Slip No. : 078748 Rev: 2 Note: NUTPLATE: SELF-LKG,ST PG:50 PER LOT #: 57882 REV: 2 MFG: PAOLO ASTORI	DF1		950.00		(Qty. Back 0.00)

THIS IS TO CERTIFY THAT THE MATERIAL(S) FORWARDED TO YOU MEET ALL THE PO, DRAWING, CHEMICAL AND PHYSICAL REQUIREMENTS AND FREE OF ANY FOREIGN OBJECT DEBRIS. AERO-GLEN, INTL. DISCLAIMS ANY RESPONSIBILITY FOR ALL MANUFACTURING OR ANY FUNCTIONAL DEFECTS AND HEREBY LIMITS EXPRESSED OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING THE MATERIAL OR REFUNDING THE INVOICE VALUE OF MATERIAL, SO ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATION OF LIABILITY. PRODUCTS HAVE NOT BEEN INTRODUCED TO MERCURY CONTAMINATION WHILE AT OUR FACILITY. THE COMMODITIES SOLD BY AERO-GLEN, INTL MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. ANY OR ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. SHALL BE DFARS 252.225-7014 ALTERNATE 1 COMPLIANT AS NOTED ON A LINE ITEM BASIS.

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249  
 13402 BEACH AVE., MARINA DEL REY, CA. 90292  
 TEL (310) 821-5582 \* FAX (310) 821-0378 \* (310) 821-5616  
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. 77003A  
 SOLD TO: AERO-GLEN INTERNATIONAL LLC  
 P O BOX 878  
 GRAPEVINE, TX 76099-0878  
 USA

SHIP TO:  
 AERO-GLEN INTERNATIONAL, LLC  
 1160 MUSTANG DRIVE STE 300  
 DFW INTERNATIONAL AIRPORT, TX 75261  
 w w . a i r c r a f t f a s t . c o m  
 USA

**AFI**  
**Aircraft Fasteners**  
**INTERNATIONAL, LLC**

SALES ORDER NO.		CUSTOMER P.O. NO.	BUYER	SALESPERSON	TERMS
314898-005		026718-AVIAL	MICHELLE FLORES	ERIN	1%10 NET30
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS			
11-01-13		UPS Ground - Collect Acct #: 756163			
LINE	ORDERED	PART, NUMBER/DESCRIPTION/LOT NO.	SHIPPED	NOTES	
1	9,850	10AD25A407N13 PAOLO ASTORI MADE IN ITALY Cust Part #: MS21059L4 3,600 PCS      CTL# 84712-004 MFG LOT # 57882 Country of Origin: ITALY MFG: PAOLO ASTORI SPA Inspection Report #: 11938	3,600	Ship: 6,250 Date: 08-15-15	
		PC - PHYSICAL /CHEMICAL CERTIFICATION			

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.  
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.  
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -  
 DO NOT MIX LOTS

PAGE: 1 of 2

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249  
 13402 BEACH AVE., MARINA DEL REY, CA. 90292  
 TEL (310) 821-5582 \* FAX (310) 821-0378 \* (310) 821-5616  
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. 77003A  
 SOLD TO: AERO-GLEN INTERNATIONAL LLC  
 P O BOX 878  
 GRAPEVINE, TX 76099-0878  
 USA

SHIP TO:  
 AERO-GLEN INTERNATIONAL, LLC  
 1160 MUSTANG DRIVE STE 300  
 DFW INTERNATIONAL AIRPORT, TX 75261  
 w w . a i r c r a f t f a s t . c o m  
 USA

# AFI

## Aircraft Fasteners

### INTERNATIONAL, LLC

SALES ORDER NO.		CUSTOMER P.O. NO.		BUYER	SALESPERSON	TERMS
314898-005		026718-AVIAL		MICHELLE FLORES	ERIN	1%10 NET30
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS				
11-01-13		UPS Ground - Collect Acct #: 756163				
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO.	SHIPPED	NOTES		
				<p align="center"><b>CERTIFICATE OF CONFORMANCE</b></p> <p>All inventory is purchased and maintained with manufacturer's lot number traceability, unless otherwise specified, with documentary evidence in the form of certification of conformance and/or physical and chemical test reports on file, available for inspection, attesting that items have been manufactured in accordance with all applicable standards and specifications. Parts are free of debris, packaged in a clean environment that prevents contamination. AIRCRAFT FASTENERS INTERNATIONAL, LLC. disclaims any responsibility for manufacturing or functional defects and hereby limits express or implied warranties to liability for replacement of this material, with responsibility not to exceed the invoice amount. When exporting this product you must comply with US Export Administration regulations. Any diversion to these regulations contrary to U.S law is prohibited.</p> <p align="right"><i>N. Valderama</i></p> <p align="right">QUALITY MANAGER</p>		

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.  
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.  
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -  
 DO NOT MIX LOTS

PAGE: 2 of 2



**PAOLO ASTORI SPA**  
Via Mirabella, 9 - Maggiate Superiore  
28013 Gattico (NO) - ITALY  
Tel. (+39) 0322 838847  
Fax (+39) 0322 880198  
Web: www.paoloastori.com



### CERTIFICATE OF CONFORMANCE

**N° 2550**      **Date 13/03/2015**      **Pag 1 / 1**

**Purchased by:**  
AIRCRAFT FASTENERS INTERNATIONAL  
13402 BEACH AVENUE  
MARINA DEL REY  
USA



**Shipped to:**  
AIRCRAFT FASTENERS INTERNATIONAL  
13402 BEACH AVENUE

90292 MARINA DEL REY US

*This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.*

Country of origin is ITALY.

Pos.	Part Number	Purchase Order	PO Date	Quantity	U.M.	Batch #	Cure Date Expiry Date
1	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	1400	N	57882	
2	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
3	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
4	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
5	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
6	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
7	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
8	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
9	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
10	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	2500	N	57882	
11	MS21059L4(Rev. REV2) - NAS686A4 -	84712/4	14/11/2014	1100	N	57874	

011938

DELIVERED MAR 23 2015

INSERIRE SEMPRE LA NOMENCLATURA COMBINATA 73181650



Airbus approval # 204788 - BAE Approval # BAE/AG/30631/MAA - Complies with DFARS 252.225-7014.  
Agusta-Westland QRS01 approval # A/0047

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoiced value of the parts in subject.

MOD. CERCON-05



28709 Industry Drive, Valencia, Ca 91355  
TEL (661) 257-6600 \* FAX (661) 257-6625



ACCT #: AER705 <B>  
B AERO GLEN INTL, LLC  
I PO BOX 878  
L  
L GRAPEVINE, TX 76099-0878

S AERO GLEN INTL, LLC  
H 1160 MUSTANG DRIVE  
I STE. 300  
P GRAPEVINE, TX 76051

SALES ORDER: DY157.2



P.O.NO.: 029063

BUYER: MICHELLE

PAGE: 1

DATE ORDERED 11-04-14	SALES TX002	SHIPPED VIA UPS GROUND COLLECT	AIR FREIGHT ACCT # 756-163	F.O.B ORIG	TERMS 1%10 N30	PRINT DATE 06-25--	
ITEM	ORDERED	PART NO./DESCRIPTION/MFG./LOT NO.				SHIPPED	U/M
001B	9,000	MS21059L4 SCHEDULED SHIPMENT #2 THIS ITEM IS COMPLIANT TO DFAR 252.225-7009				AD	9,000 EAC
	1,190	PAO9 EACH CTL: A024955004 MFG LOT# 57882 ! SPECIFIC MFG REQUIRED!				MFG: PAOLO ASTORI SPA REV: 2	
	7,810	EACH CTL: A024955005 MFG LOT# 57874 ! SPECIFIC MFG REQUIRED!				MFG: PAOLO ASTORI SPA REV: 2	
		ORDER COMPLETE					

**Adept Cage Code: 1V0G6**

All claims for errors, shortages or damage must be made within 7 days of receipt. Returns must have a Return Authorization Number issued by Adept Fasteners affixed to the returned containers. Our liability is limited to replacing the material or refunding the invoice value of the material sold.

Products in this shipment did not come into contact with mercury or mercury compounds while in the possession of Adept Fasteners.

**CERTIFICATE OF CONFORMANCE**

The manufacturer has represented products furnished in this shipment as conforming to applicable drawings and specifications. Required supporting evidence is available at Adept Fasteners or source of purchase upon request, subject to a fee.

Quality Manager

Robert E. Newkirk

Customer Copy

**ADEPT FASTENERS**

**28709 Industry Drive**

**Valencia, CA 91355**

**Sales Order Line: DY157.001B**

**Adept Control Numb: A024955004**

**Mfg Lot No: 57882**

**Customer: AERO GLEN INTL, LLC**

**Customer PO#: 029063**

**Part Numb: MS21059L4**

**Message Line:**

**Original Quantity Received: 1376**

**Quantity Shipped: 1190**

**Cert Code: AD**

**PAOLO ASTORI SPA**

Via Mirabella, 9 - Maggiate Superiore  
28013 Gattico (NO) - ITALY  
Tel. (+39) 0322 838847  
Fax (+39) 0322 880198  
Web: www.paoloastori.com

**CERTIFICATE OF CONFORMANCE**

N° 3692 Date 17/04/2015 Pag 1 / 1

**Purchased by:**

ADEPT FASTENERS  
28709 INDUSTRY DR.  
VALENCIA  
USA

CA

**Shipped to:**

ADEPT FASTENERS  
28709 INDUSTRY DRIVE

91355 VALENCIA US

This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.

Country of origin is ITALY.

Pos.	Part Number	Purchase Order	PO Date	Quantity	U.M.	Batch #	Expiry Date
1	MS21059L4 (Rev. REV2)	A024655/1	09/07/2014	1376	N	57082	

- NAS688A4 -

Albus approval # 204788 - BAE Approval # BAE/AG/30631/MAA - Complies with DFARS 252.225-7014.  
Agusta-Westland QRS01 approval # N0047

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoiced value of the parts in subject.

MOD. CERCON-05



1160 Mustang Dr Ste 300  
DFW Airport TX 75261  
Tel: 817-328-6600 Fax: (972) 456-1015  
aeroglen@aeroglen.com  
CAGE CODE 9V172

PR# 14-2127, 14-2128R

Printed By : GMOO Print No. : 3

Pg:1/1

AVIALL  
Attn: SEDRICK CLARK  
2700 Regent Blvd  
DFW Airport, TX 75261  
UNITED STATES  
Tel. : 972-586-1994

**Our Contact : MERLE LANGTON**

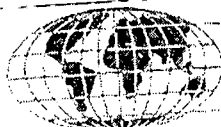
UNLESS NOTED ON THE FACE HEREOF, ANY AND ALL MATERIALS/PARTS SUPPLIED ON THIS S.O./P.O. MAY NOT BE DFARS 252.22-7014 ALT. 1 COMPLIANT. AERO-GLEN, INTL., GRAPEVINE, TX., USA, WILL NOT BE HELD IN VIOLATION OF THE DFARS/SPECIALTY MATERIAL REQUIREMENT. THE COMMODITIES SOLD BY AERO-GLEN, INTL., MUST BE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH ALL U.S. EXPORT LAWS. ANY DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

\_\_\_\_\_

CUSTOMER COPY

Copyright (c) 1997 Entomol. Soc. Am.

AVIA|TRUE CERTIFIED COPY|01/06/2016|Ship #: 8002629892|Line#:10|7364078285|Qty:15|GPO:PO30877



**ETA Global Inc.**

P.O. BOX 259  
PALESTINE, TX 75802-0259

PH: (903)729-3131  
Quality FAX: (903)729-1217  
www.etaglobal.com

# Packing Slip

340800-000

Page 1 of 1

Ship Date:

ISO9001:2008  
AS9100 Rev C  
Certificate NO. C0023281

Sold to: 19418

Ship to:

AVIALL SERVICES (CONTRACT)  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261  
UNITED STATES

ITEM NAS1149F0432P = 28



BATCH 7364128274



AHILL  
11/24/15

Customer P.O.

45306555

Payment terms

1310NET30

Department

500

Salesper 2

#####

Message

FEDEX 0752-6857-2

Ship via

Fed X grnd

Freight terms

COLLECT

Ln	Ship Quantity	UOM	Item / Description
0010	86000	EACH	NAS1149F0432P WASHER, FLAT CARBON STEEL

Control #: 48957102-05-01 86000  
Mfg Lot #: C143486-02  
MFG: SUPERIOR WASHER & GASKET CORP  
Country of origin: UNITED STATES

ETA certifies the products furnished on the above referenced order have been manufactured in accordance with all applicable part numbers, specifications, and/or Chemical/Physical report of raw material on file at ETA or place of manufacture/supply subject to examination with proper notice (additional costs may be incurred.)

Quality Control Authority Angela Coleman **ETA** Date: 11/ 17/ 15  
#16

IMPORTANT NOTICE: LIMITATION OF REMEDY: If the product is found to be defective, the exclusive remedy available and ETA's only obligation shall be to replace such quantity of the product or such amount of the product as is defective. ALL CLAIMS FOR DEFECTIVE MATERIAL ARE WAIVED UNLESS MADE IN WRITING WITHIN 30 DAYS FROM THE DATE OF SHIPMENT. LIMITATION OF LIABILITY: ETA shall not be liable for any damages, including incidental and consequential damage, regardless of the legal theory asserted, including negligence and/or strict liability. Seller, using their best efforts, warrants the suitability of the product for intended use. Over assembly, abuse, and liability shall remain at customer's discretion. CHECK CAREFULLY. Reference is to be made to our delivery receipt regarding liability. The foregoing limitation of remedies and liabilities may not be altered unless in writing signed by the President of ETA GLOBAL INC.

Distribution/Manufacturing software provided by Rennie, Lindsey and Associates, Inc.

AVIALL - TRUE CERTIFIED COPY | 01/06/2016 | Ship #: 8002629892 | Line: 130 | 7364128274 | Qty: 600 | CPO: PO30877

11-17-15 11:39 AM  
Mention promo code 004189 at www.eta-assist.com/promo.html

10/01/15

## CUSTOMS INVOICE/PACKING SHEET



4452450-00

SOLD TO: AVIALL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

DALLAS, TX 75261-9048 US

VAT#

SHIPPER: KAPCO  
1 ESSEX INDUSTRIAL PARK  
ESSEX, CT 06426

SHIP TO: AVIALL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.

DFW AIRPORT, TX 75261 US

Pref. Routing FED EX GRD

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4452450-00	10/19/15
PROMISED	REQUEST	SHIPPED
10/01/15	10/01/15	
CUSTOMER P.O.		

FORWARD TO:

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0045289192	10	M83461/1-014		523.00	EA				523.00	0.00	523.00
		Desc: PACKING PCAT: S Superseded Prod: M83461-1-014 Customer Prod: M83461-1-014=15 HS# 4016.93.0000	408753	523.00		Cure: 1Q2015		US			
		MFR- Name: PARCO INC. Revision: NC MFR- Batch: 49230 KAPCO GLOBAL CERTIFIES THAT WE ARE ACCREDITED TO FAA AC-0056A FOR SHIPMENTS MADE FROM U.S. SITES. THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR COMMERCIAL STANDARD. S/L: 15 YRS PER ARP5316 INSP BY: J. NEWCOMB 10/01/2015									

ITEM M83461-1-014=15



BATCH 7364091756



SSOMSANIT  
10/06/15

PAGE 1

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended.  
No claims allowed unless made within ten (10) days after receipt of Goods and in no case shall the liability  
assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the  
merchandise in question.

These commodities, technology or software were exported from the United States in accordance  
with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

SHIPPED UNDER NLR HS#8803.30.0010 - ECCN: 9A991.D  
UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.



Terms of Sale - Incoterms-2010; EXW: Essex, CT

## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED,  
AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER.  
EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

*Pete Curti*

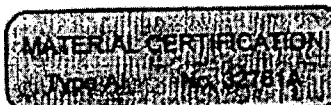
PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY

Thank You For This Order  
PACKING LIST

AVIALL: TRUE CERTIFIED COPY | 01/06/2016 | Ship #: 8002629892 | Line: 30 | 7364091756 | Qty: 6 | CPO: PO30877

# Parco

PARCO, INC.  
1801 S. Archibald Avenue  
Ontario, California 91761  
(909) 947-2200 Fax (909) 923-0288



Account Name KAPCO  
Purchase Order 417508-00  
Customer Part M83461/1-014 Rev. NC  
Material Specification AMS P 83461 Rev. NC  
Product O-RING  
Elastomer NITRILE  
Color BLACK  
Quantity Shipped 16,060

Account No. 9231-03  
Sales Order 15385-01  
Parco Part 0568-014  
Compound 4367-70  
Shipping Order 20578  
Date Prepared 3/5/2015  
Prepared By C. JUSTICE

I certify the following about the parts described above:

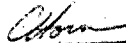
1. Parco manufactured the parts as follows: Batch 49230 Date Cured 1Q-15
2. The following acceptance testing shows conformance to the requirements of MIL-P-83461B, (Amendment 3) paragraph 4.4.5, and AMS-P-83461, Rev. N/C, paragraph 4.4.5.

Physical Property	Requirement	Result	ASTM Test Method
<b>Batch (from M83461/1-214 O-rings):</b>			
Original physical properties:			
Hardness, Shore A <sup>(a)</sup>	70 to 80	75	D2240
Specific gravity	1.20 to 1.24	1.22	D297
Tensile strength, psi	1350 to 1984	1672	D1414
Ultimate elongation, percent	125 to 180	140	D1414
Modulus at 100 pct. elongation, psi, min.	650	901	D1414
Temperature retraction, TR-10, °F, max.	-49	-56	D1329
Fluid Aging, ARM 201 (AMS 3020)			Para.
70 hours at 135°C (275°F)			4.6.2
Compression Set,			
percent of original deflection, max.	35	23	
Temperature retraction, TR-10, °F, max.	-49	-56	
Hardness change, pts., Shore A <sup>(a)</sup>	-10 to 5	-9	
Volume change, percent	10 to 20	14	
Compression set,			D395
70 hours at 135°C (275°F)			Method B
percent of original deflection, max.	67	60	D1414

<sup>(a)</sup> Hardness and hardness change tested from standard hardness disc.

3. Parco compound 4367-70 is listed on PRI-QPL-AMS-P-83461.
4. The shelf life of the parts is 15 years from the the cure date (according to SAE ARP5316, Storage of Aerospace Elastomeric Seals...).

Supplemental Information: SHELF LIFE 15 YEARS, COUNTRY OF ORIGIN USA.

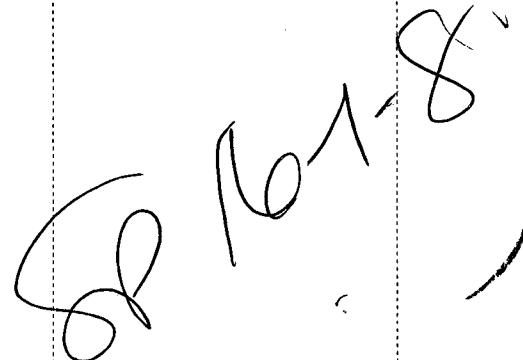
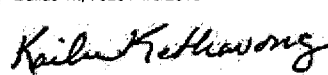
  
Carl Horn, Vice President, Quality

Distribution: 2 copies to customer.  
FORM 2493 Rev. 02/12

This is a revised certification. It replaces the previous certification 32761 prepared 1/22/2015.

ICN: 408753, DOC DATE: 2/5/2015

## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

<b>Shipper</b> AVALL SERVICES INC 2750 REGENT BLVD DFW AIRPORT, TX, 75261 U.S.A.		<b>Air Waybill No.</b> 641993810700 Page 1 of 1 Pages  <b>Shipper's Reference Number</b> 8002629893 (optional)					
<b>Consignee</b> DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON, K6A 1K7 Canada		<b>Created using</b> International Air regulations and FedEx carrier variations.  <b>LABELMASTER<sup>®</sup></b> <b>SOFTWARE</b>					
Two completed and signed copies of this declaration must be handed to the operator.		<b>WARNING</b>  Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.					
<b>TRANSPORT DETAILS</b>  This shipment is within the limitations prescribed for: (delete non-applicable) <table border="1"><tr><td>PASSENGER AND CARGO AIRCRAFT</td><td><del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del></td></tr></table>  Airport of Departure:		PASSENGER AND CARGO AIRCRAFT	<del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del>	<b>Shipment type:</b> (delete non-applicable) <table border="1"><tr><td>NON-RADIOACTIVE</td><td><del>RADIOACTIVE</del> <del>XXXXXXXXXX</del></td></tr></table>		NON-RADIOACTIVE	<del>RADIOACTIVE</del> <del>XXXXXXXXXX</del>
PASSENGER AND CARGO AIRCRAFT	<del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del>						
NON-RADIOACTIVE	<del>RADIOACTIVE</del> <del>XXXXXXXXXX</del>						
Airport of Destination:							
<b>NATURE AND QUANTITY OF DANGEROUS GOODS</b>							
<b>Dangerous Goods Identification</b>							
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing	Packing Inst.	Authorization	
UN3267	Corrosive liquid, basic, organic, n.o.s. (aminoethyl piperazine)	8	III	1 Fibreboard Box x 1.344 L	852		
							
Additional Handling Information    Emergency Contact Name: CCN2132 . Emergency Contact Phone: 1-800-424-9300 // INTL +1-703-527-3887							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.				Name/Title of signatory  Kaikao Kethavong Hazardous Shipper  Place and Date    Dallas Tx, 75261 1/6/2016 Signature  (see warning above)			



1204. 154

# Certificate of Conformance

Page: 1 of 1

PRC-DeSoto International, Inc.  
A PPG Industries Company

Pick Ticket 53047402

Pack List #: S1145138

PRC DESOTO INTL-ASC DALLAS  
2750 114th Street, Suite 400  
Grand Prairie, TX 75050  
UNITED STATES  
Phone: 817-640-1067

Order Date: 08/26/15  
Cust. No.: da090713  
Terms: net30  
Cust. P.O.: 45293194



12/04/15  
15:04:16

Fax: 817-640-1058



CSR: da508

Transaction Type:  
Shipment Terms:

DS-PO#:

Site: 3723USPRC DESOTO INTL-ASC DALLAS

Remarks: SPEC-AVIALL/ROJEAN 972-586-1314 lmc

Shipvia: SEE BELOW

Sold To: da090713

AVIALL SERVICES, INC.  
P.O. BOX 619048  
DALLAS, TX 75261-9048  
UNITED STATES

ITEM PR1425B2 - 60Z = 5N

BATCH 7364136892

AMAY  
12/07/15

Line	Qty Ordered	UM	Description	Req Date	Due Date	Promise Date	Qty to Ship	Qty Picked
------	-------------	----	-------------	----------	----------	--------------	-------------	------------

NEVER ADD FRT TO INVOICE, MUST SHIP COLLECT  
FEDEX GROUND COLLECT ACCT #123985630  
IF 150 LBS OR MORE FEDEX FREIGHT COLLECT (ACCT# 532626056)  
DO NOT SHIP PARTIAL LINES! \*\*\* MSDS REQUIRED WITH EACH SHIPMENT \*\*\*  
MUST HAVE 75% SHELF LIFE.

10	288	EA	1425B002CA654SKAV	12/03/15	12/03/15	12/03/15		
----	-----	----	-------------------	----------	----------	----------	--	--

PRC STANDARD  
PR 1425 B 2 654SK  
Customer Item: PR1425B2-60Z=5N  
SPEC: PRC STD POLYSULFIDE REV ORG  
Lot No: 728329-11  
\*Location: STOCK  
Expires After: 08/16  
Lot No: 741397-11  
\*Location: STOCK  
Expires After: 08/16

*DOMA - 11.15*  
*DOE 08.16*

197

197

91

91

013072

In compliance with the chemical registration laws of UNITED STATES

Shipped by

Date

*12/15*

PPG Aerospace/PRC DeSoto International certifies that the above material has been manufactured, tested and conforms to all requirements in accordance with applicable specifications. All test data pertaining to batch acceptance requirements defined by the specification for this material is on file and available for inspection on request. For Non-US PPG Customers, we can only offer Technical Data/Test Reports for any ITAR restricted specifications with valid US export authorization.

*Billy Guss*

SH6

Quality Control

QC29

# SAFETY DATA SHEET



Date of issue/Date of revision 22 July 2015

Version 8

## Section 1. Identification

Product name : PR 1425 B 2 Part A  
Product code : PR 1425 B 2 Part A  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/  
mixture : Sealants  
Uses advised against : Not applicable.

Supplier : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : ACUTE TOXICITY (inhalation) - Category 4  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 1A  
TOXIC TO REPRODUCTION (Unborn child) - Category 1B  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 36.6%

### GHS label elements

Hazard pictograms :



Signal word : **Danger**

## Section 2. Hazards identification

**Hazard statements** : Harmful if inhaled.  
May cause an allergic skin reaction.  
May cause cancer.  
May damage the unborn child.  
May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection.  
Wear protective clothing. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Contaminated work clothing must not be allowed out of the workplace.

**Response** : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. NTP, IARC and OSHA have classified chromium (+6) compounds as carcinogenic. Emits toxic fumes when heated.

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product name** : PR 1425 B 2 Part A

Ingredient name	%	CAS number
N,N-dimethylacetamide	≥25 - <31	127-19-5
calcium dichromate	≥10 - <25	14307-33-6
Talc, not containing asbestiform fibres	≥5 - <10	14807-96-6
magnesium carbonate	≥3 - <5	546-93-0
Kaolin	≥3 - <5	1332-58-7
carbon black, respirable powder	≥0.3 - <1	1333-86-4

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
N,N-dimethylacetamide	<b>ACGIH TLV (United States, 4/2014).</b>
	<b>Absorbed through skin.</b>
	TWA: 36 mg/m <sup>3</sup> 8 hours.
	TWA: 10 ppm 8 hours.
	<b>OSHA PEL (United States, 2/2013).</b>
	<b>Absorbed through skin.</b>
	TWA: 35 mg/m <sup>3</sup> 8 hours.
	TWA: 10 ppm 8 hours.
calcium dichromate	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 0.005 mg/m <sup>3</sup> , (as Cr) 8 hours. Form:
	<b>OSHA PEL (United States).</b>
	TWA: 5 mg/m <sup>3</sup> Form:
	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 0.05 mg/m <sup>3</sup> , (measured as Cr) 8 hours.
	Form: Soluble
	<b>ACGIH TLV (United States).</b>
	: 0.05 mg/m <sup>3</sup> Form: Total dust
	<b>OSHA PEL Z2 (United States, 2/2013).</b>
	CEIL: 1 mg/10m <sup>3</sup> , ()
Talc , not containing asbestiform fibres	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
	<b>OSHA PEL Z3 (United States, 2/2013).</b>
	TWA: 20 mppcf 8 hours. Form: not
	containing asbestos
magnesium carbonate	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
Kaolin	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
	fraction
	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable
	fraction
	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
carbon black, respirable powder	<b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable
	fraction
	<b>OSHA PEL (United States, 2/2013).</b>
	TWA: 3.5 mg/m <sup>3</sup> 8 hours.

#### Key to abbreviations

A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.  
 R = Respirable

S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value  
 TWA = Time Weighted Average

## Section 8. Exposure controls/personal protection

Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: 100 to 166.11°C (212 to 331°F)
Flash point	: Closed cup: Not applicable.
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.35
Density ( lbs / gal )	: 11.27
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.21 cm <sup>2</sup> /s (>21 cSt)
VOC	: 0
% Solid. (w/w)	: 100

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

## Section 10. Stability and reactivity

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
N,N-dimethylacetamide  magnesium carbonate Kaolin carbon black, respirable powder	LC50 Inhalation Gas.	Rat	2475 ppm	1 hours
	LD50 Dermal	Rabbit	2240 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	8000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>3 g/kg	-
	LD50 Oral	Rat	>15400 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.  
**Eyes** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
calcium dichromate	+	1	Known to be a human carcinogen.
carbon black, respirable powder	-	2B	-

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

#### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

## Section 12. Ecological information

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	UN3082	UN3082
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (calcium dichromate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (calcium dichromate)
Transport hazard class(es)	-	9	9
Packing group	-	III	III
Environmental hazards	No.	Yes.	Yes.
Marine pollutant substances	Not applicable.	(calcium dichromate)	Not applicable.

### Additional information

DOT : None identified.

IMDG : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.



## 14. Transport information

**Special precautions for user** : **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

#### SARA 302/304

**SARA 304 RQ** : Not applicable.

#### Composition/information on ingredients

No products were found.

#### SARA 311/312

**Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
N,N-dimethylacetamide	Yes.	No.	No.	Yes.	Yes.
calcium dichromate	No.	No.	No.	Yes.	Yes.
Talc, not containing asbestiform fibres	No.	No.	No.	Yes.	No.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.

#### SARA 313

	<u>Chemical name</u>	<u>CAS number</u>	<u>Concentration</u>
<b>Supplier notification</b>	: calcium dichromate	14307-33-6	10 - 30

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**Additional environmental information** is contained on the **Environmental Data Sheet** for this product, which can be obtained from your PPG representative.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

**Health** : 3 \* **Flammability** : 0 **Physical hazards** : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

Product code PR 1425 B 2 Part A

Date of issue 22 July 2015 Version 8

Product name PR 1425 B 2 Part A

## Section 16. Other information

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 0 Instability : 0

Date of previous issue : 6/11/2015

Organization that prepared the MSDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

☑ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

# SAFETY DATA SHEET



Date of issue/Date of revision 9 June 2015

Version 4

## Section 1. Identification

Product name : PR 1425 B 2 Part B  
Product code : PR 1425 B 2 Part B  
Other means of identification : Not available.  
Product type : Solid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/  
mixture : Sealants  
Uses advised against : Not applicable.

Supplier : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

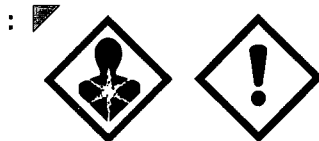
OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : ☒ SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2

☒ Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 11.7%

### GHS label elements

Hazard pictograms



Signal word : Warning

Hazard statements : ☒ May cause an allergic skin reaction.  
Suspected of causing cancer.

## Section 2. Hazards identification

### Precautionary statements

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Avoid breathing dust. Contaminated work clothing should not be allowed out of the workplace.
- Response** : If exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : **1-component mixtures:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Emits toxic fumes when heated.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Product name** : PR 1425 B 2 Part B

Ingredient name	%	CAS number
Calcium carbonate	3 - 7	471-34-1
carbon black, respirable powder	3 - 7	1333-86-4
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]	1 - 5	25036-25-3
Terphenyl, hydrogenated	1 - 5	61788-32-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

## Section 4. First aid measures

- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

#### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides

## Section 5. Fire-fighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : ☒ Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : ☒ Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

- Special precautions** : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
calcium carbonate	<b>ACGIH TLV (United States).</b> TWA: 3 mg/m <sup>3</sup> Form: Respirable TWA: 10 mg/m <sup>3</sup> Form: Total dust
	<b>OSHA PEL (United States).</b> TWA: 5 mg/m <sup>3</sup> Form: Respirable TWA: 15 mg/m <sup>3</sup>
	<b>OSHA PEL (United States, 2/2013).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction
carbon black, respirable powder	TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>ACGIH TLV (United States, 4/2014).</b>
	TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction
	<b>OSHA PEL (United States, 2/2013).</b> TWA: 3.5 mg/m <sup>3</sup> 8 hours.
Terphenyl, hydrogenated	<b>ACGIH TLV (United States, 4/2014).</b> TWA: 4.9 mg/m <sup>3</sup> 8 hours.
	TWA: 0.5 ppm 8 hours.

#### Key to abbreviations

A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.  
 R = Respirable  
 Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value  
 TWA = Time Weighted Average

**Consult local authorities for acceptable exposure limits.**

## Section 8. Exposure controls/personal protection

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety glasses with side shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : Butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.



## Section 9. Physical and chemical properties

### Appearance

Physical state	: Solid.
Color	: Black.
Odor	: Not available.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: 93.33°C (200°F)
Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.34
Density ( lbs / gal )	: 11.18
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): Not applicable.
VOC	: 40 g/l

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

## Section 10. Stability and reactivity

**Hazardous decomposition products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
calcium carbonate	LD50 Oral	Rat	6450 mg/kg	-
carbon black, respirable powder	LD50 Dermal	Rabbit	>3 g/kg	-
Terphenyl, hydrogenated	LD50 Oral	Rat	>15400 mg/kg	-
	LD50 Oral	Rat	17500 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
carbon black, respirable powder	-	2B	-

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

#### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

**Section 15. Regulatory information**

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Carbon black, respirable powder Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis [oxirane]	Yes. Yes.	No. No.	No. No.	No. Yes.	Yes. No.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

**Section 16. Other information****Hazardous Material Information System (U.S.A.)**

Health : ☒2 \* Flammability : 1 Physical hazards : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)**

Health : ☒2 Flammability : 1 Instability : 0

Date of previous issue : 5/7/2015.

Organization that prepared the MSDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

☒ Indicates information that has changed from previously issued version.

**Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.